snorkel

TL39T



Engine Powered
Gasoline, Diesel,
Battery Electric,
Bi-Energy Options

CE

OPERATORS MANUAL

Part Number 13225A-EN

Serial Number 000001 and after

Dec 17 (REV D)

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Appendix A. Glossary

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■ Safe Operation

Knowledge of the information in this manual, and proper training, provide a basis for safely operating the TL39T. Know the location of all the controls and how they operate to act quickly and responsibly in an emergency.

Safety devices reduce the likelihood of an accident. Never disable, modify, or ignore any safety device. Safety alerts in this manual indicate situations where accidents may occur.

If any mal function, hazard or potentially unsafe condition relating to capacity, intended use, or safe operationis suspected, stop the operation of the MHP and seek assistance.

The operator bears ultimate responsibility for following all manufacturers instructions and warnings, regulations and safety rules of their employer and/or any country or regional law.

■ Electrocution Hazards

The TL39T is an all metal boom aerial work platform and **is not electrically insulated**.

Do not operate it near electrical conductors.

Regard all conductors as being energized.

Do not operate out side during a thunderstorm.

❑ Minimum safe approach distance

Minimum safe approach distances to energised power lines and their associated parts must be observed wile operating the MHP.

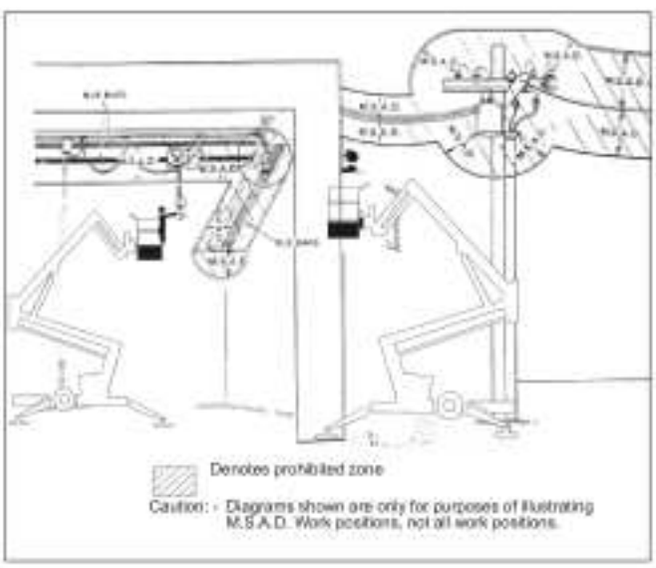


Figure 1 - Minimum Safe Approach Distance ANSI A92.5

! DANGER

The MHP is not electrically insulated. Death or serious injury can result from contact with, or inadequate clearance from, an energised conductor.

Do not go closer than the minimum safe approach distance.

ANSI publications define minimum distances that must be observed when working near bus bars and energised power lines. Figure 1 and Table 1 are reprinted courtesy of the Scaffold industry Association, ANSI/SIA A92.5.

Voltage Range (Phase to Phase	Minimum Safe Approach Distance	
	Feet	Metres
0 to 300V	Avoid Contact	
Over 300V to 50kV	10	3.05
Over 50kV to 200kV	15	4.60
Over 200kV to 350kV	20	6.10
Over 350kV to 500kV	25	7.62
Over 500kV to 750kV	35	10.7

Table 1 - Minimum Safe Approach Distance ANSI 92.5

Australian Standard AS2550.10 defines minimum distances that must be observed when working near live aerial conductors up to and including 133kV (see Figure 2).

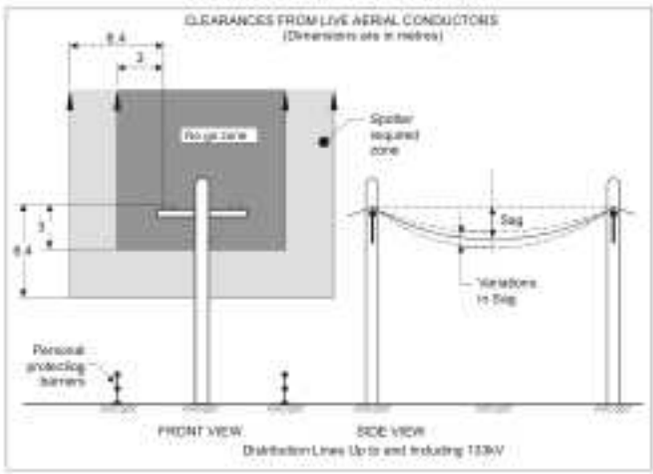


Figure 2 - Minimum Safe Approach Distance AS 2550.10

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■ Specifications TL39T

SPECIFICATIONS	TL39T	
Nominal working height	12.9m	42.3'
Maximum height to basket floor	10.9m	35.8'
Maximum outreach	6.4m	21.0'
Maximum width of base		
Stabilisers retracted	1.6m	5.2'
Stabilisers extended	3.6m	11.8'
Safe working load (unrestricted)	215kg	474lbs
Platform size	1.15 x 0.70m	3.8' x 2.3'
Construction	Steel	Steel
Travelling height	2m	6.6'
Overall length	4.7m	15.4'
Maximum towing speed	80km/h	50mph
Turntable rotation	540° Non continuous	
Trailer tongue weight (approximately)	Less than 100kg	Less than 225lbs
Maximum rated axle capacity	2000kg	4409lbs
Insulation rating	Nil (on standard models)	
Weight	1460kg (Petrol model)	3218lbs (Petrol model)

❑ Recommended Hydraulic Oil

Shell Tellus 32 or Castrol AWS 32 or similar

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At the start of each work day (or 8 hour shift), an TL39T qualified operator must perform the Pre-operational Inspection as listed in the table below.

The purpose of the Pre-operational Inspection is to keep the TL39T in proper working condition and to detect signs of malfunction at the earliest possible time.

The TL39T should be in the STOWED POSITION and the Master Key Switch set to OFF before you begin this in spection.

Defective parts and/or equipment malfunctions jeopardize the safety of the operator and other personnel, and can cause damage to the machine.

! DANGER

DO NOT operate an TL39T that is known to be damaged or malfunctioning.

Repair all equipment damage or malfunctions, before placing the TL39T into service.

■ Pre-operational Inspection Table

Item	Service Required
Engine fuel level	Look to see that the fuel tank is full
Fuel tank cap	Check to see that the cap is tight
Engine oil level	Check oil level (between dipstick lines)
Fuel leaks	Visually inspect (hoses and connections)
Engine cooling	Check that grills are not blocked
Wiring harnesses	Visually inspect (installation, condition)
Battery terminals	Visually inspect (no corrosion)
Battery fluid level	Check fluid level (1/4" or 6 mm below filler neck)
Hydraulic oil level	Visually inspect level (between lines on decal)
Hydraulic oil leaks	Visually inspect (hoses, tubes)
Tires and wheels	Visually inspect (condition)
Tire pressure	Check pressure (measure)
Bolts and fasteners	Visually inspect (condition)
Structural damage and welds	Visually inspect (weld cracks, dents)
Lanyard anchor points	Visually inspect (condition)
Platform gravity gate	Check condition and operation
Platform guardrails	Visually inspect (condition)
Flashing light (option)	Visually inspect (operation)
Ground control switches	Actuate and inspect for proper operation
Ground control valve levers	Check operation (causes correct motion)
Ground emergency lower	Check operation (causes correct motion)
Emergency lower	Check operation (causes correct motion)
Platform control box switches	Actuate and inspect for proper operation
Platform emergency lower	Check operation (causes correct motion)
RCD/ELCB AC outlet (option)	Check operation
Platform work lights (option)	Check operation
Placards and decals	Visually inspect (installation, condition)
Platform entry ladder	Visually inspect (condition)

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It is possible to slew the unit or to telescope in during the lowering process. For correct emergency lowering operating procedures see "Emergency Operation" chapter 9.

■ Platform Control Switches



Figure 7.21 - Platform Control Switches

On the ground control box set the **Ground/ Platform Selector** to platform.

Check that each of the platform moving switches (1through to 5) cause the platform to move the way it should.

Check both positions of each switch.

For correct operating procedures see the "Operation" chapter 8.

NOTE

*Pay particular attention to the **Emergency Stop** switch 6 to see that it turns the TL39T engine off when struck.*

Pay particular attention to the platform Enable switch or the platform foot switch (if that option is fitted) to see that the platform moving switches are deactivated when the either switch is not operated.

At the completion of the above section the unit can be returned to the stowed position.

■ AC Outlet RCD/ELCB (option)

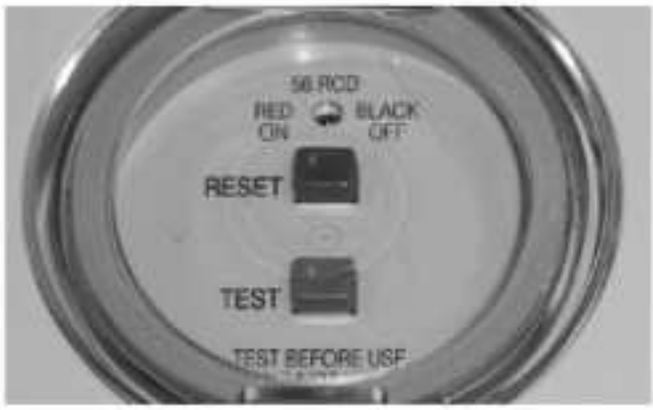


Figure 7.22 - AC Outlet RCD/ELCB

If the TL39T has this option fitted check the RCD works by connecting a power source to the base inlet and an appliance to the platform outlet.

Push the test button on the RCD/ELCB device and the power outlet at the platform should not work.

! CAUTION

RCD/ELCB devices should only be replaced by a qualified electrician.

■ Placards and Decals

Look to see that all placards and decals are in place and legible. Clean dirty or obscured decals with soap and water and a soft lint cloth. Replace any missing or illegible placards or decals before placing the TL39T into service for the daily work shift.

NOTE:

Owing to manufacturing variances and customer preferences there may be some small differences in the decal layout on specific machines.

NOTE Safety Decals:

Details of the safety decals and their locations are listed in the Safety chapter(s) near the beginning of this manual.

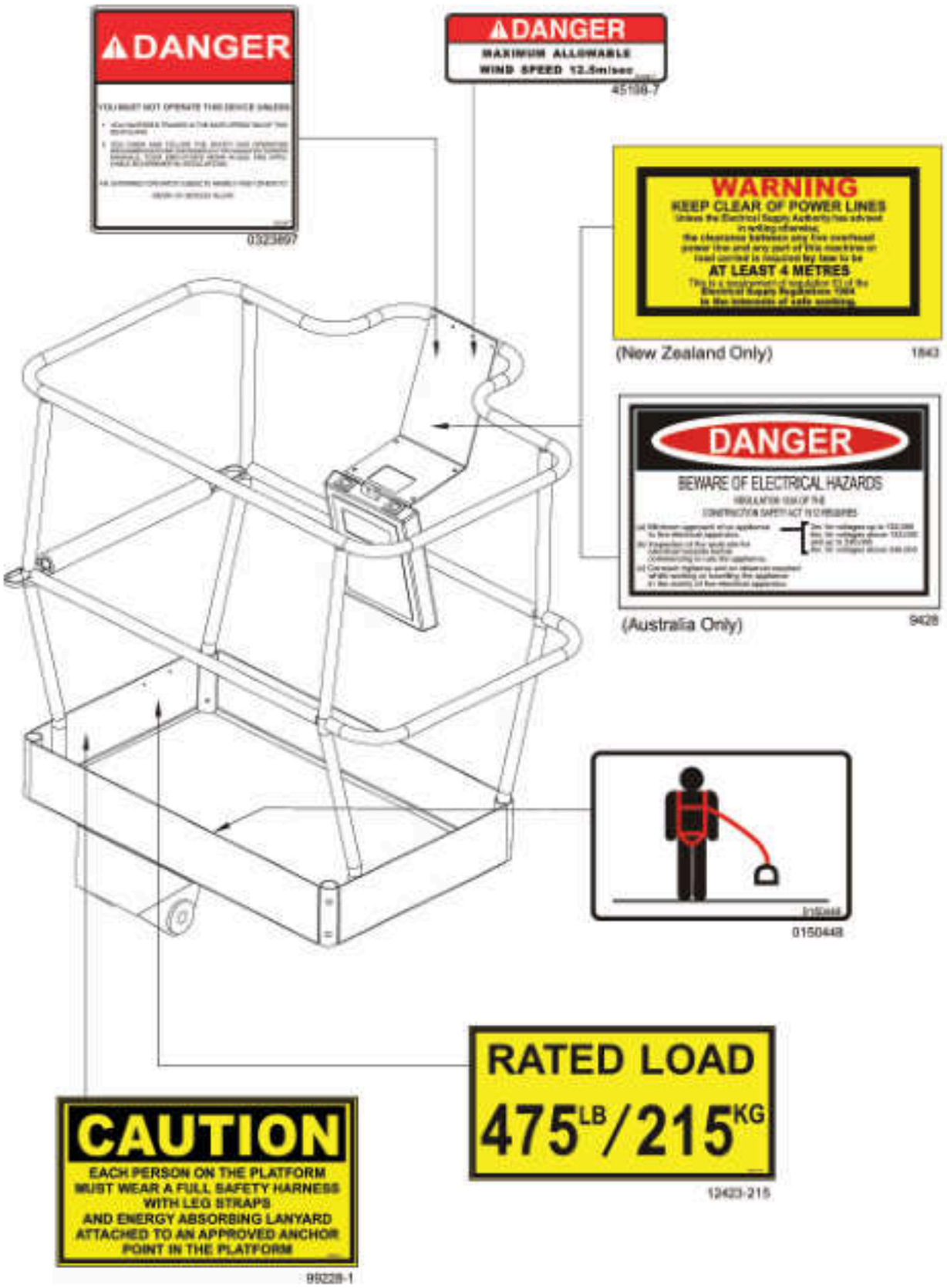
■ Placards and Decals

Replacement decals and placards for the TL39T are available from Snorkel dealers.

❑ Standard placards and decals

See pages 7 - 8 and 7 - 9 for the decal list and locations of individual decals.

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■ Controls Description

This chapter explains what each control does.

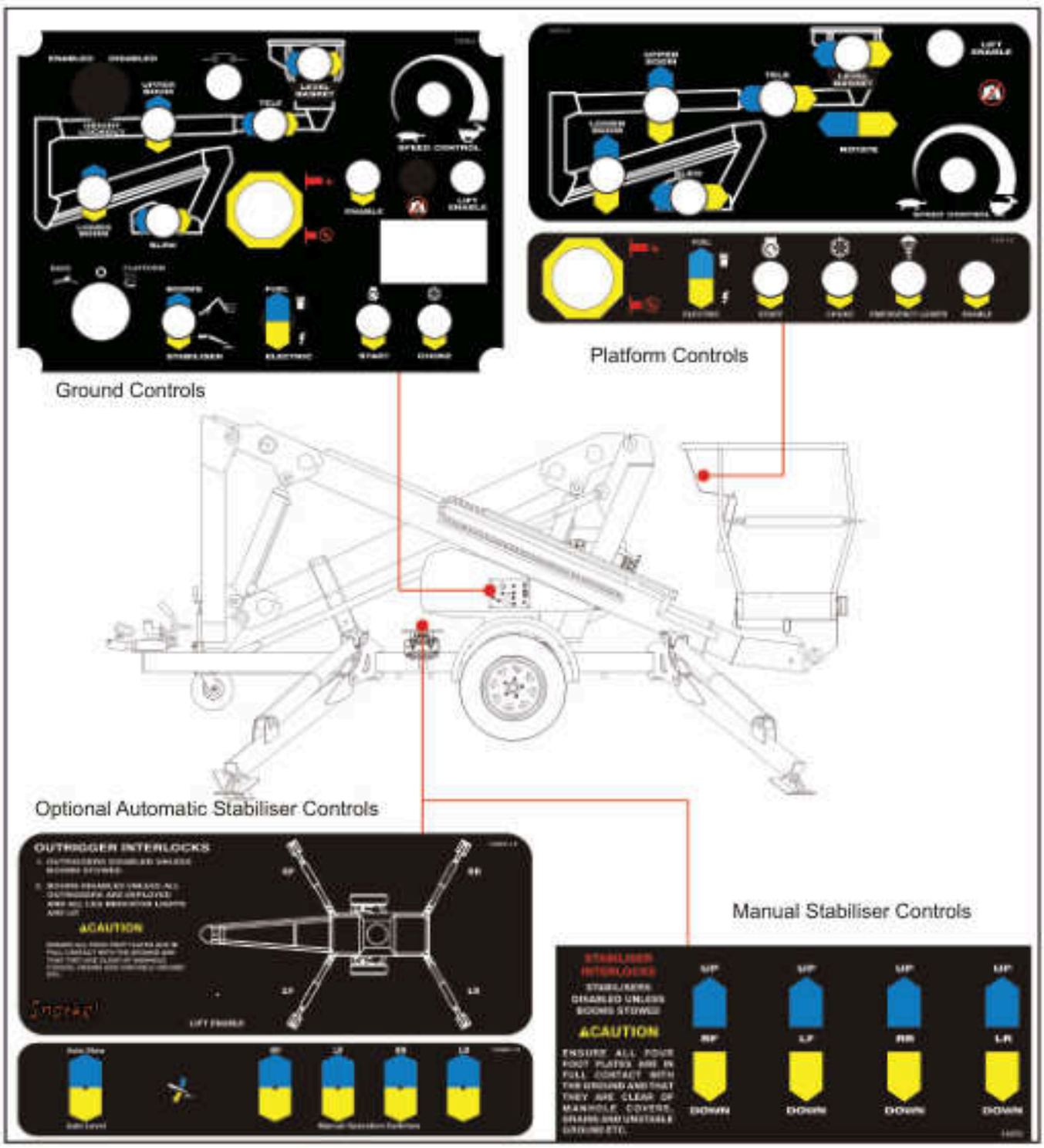
This chapter **DOES NOT** explain how to use the controls to produce useful work, refer to the "Operation" chapter 8 for that after you have read this chapter.

For optional equipment controls, see the "Options" chapter.11

See the "Emergency Operation" chapter 9-1 for the location of the emergency bleed down control and for correct emergency bleed down procedures.

The main operating functions of an TL39T can be controlled from the ground control box or from the platform control box.

❑ Controls and Control Decal Locations



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